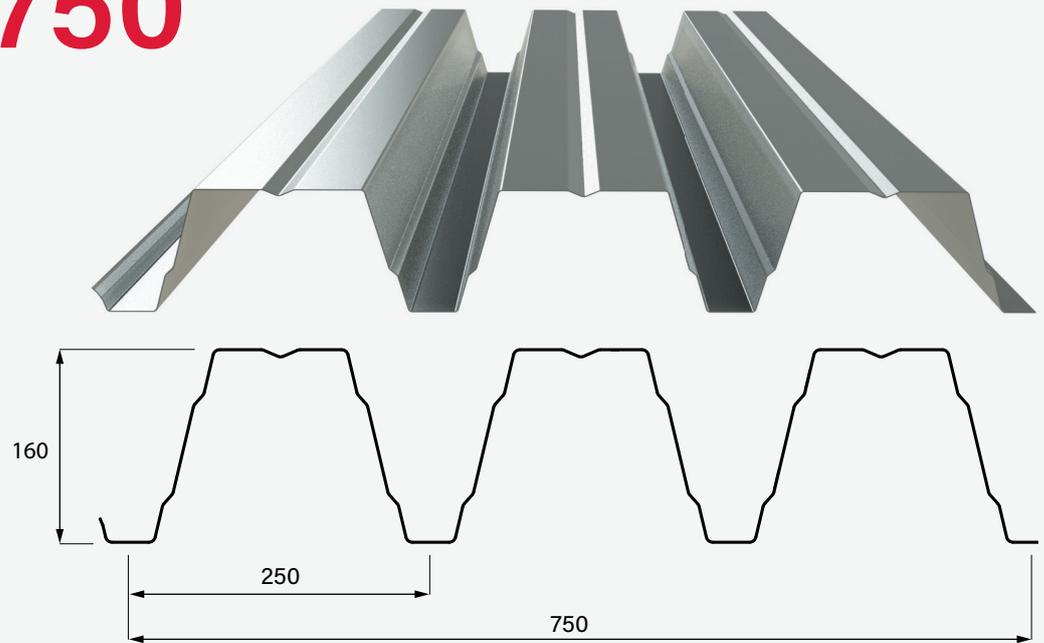


# 160R/750



## Technical properties

Profile plate type	Steel thickness [mm]	Weight [kg/m <sup>2</sup> ]	I <sub>eff</sub> [cm <sup>4</sup> /m]
<b>160R/750</b>	0.75	11.8	444.50
	0.88	13.8	540.19
	1.00	15.7	617.15
	1.13	17.7	708.30
	1.25	19.6	786.10
	1.50	23.6	948.08

<b>Steel grade</b>	S320GD
<b>Coatings</b>	Colorcoat HPS200 Ultra®, Polyester, Magnelis® ZM120, Galvanised Z275, Interior coating, Reflective white
<b>Optional</b>	Perforated, drainage holes ctc (centre-to-centre) distance 1,500mm
<b>Dimensions</b>	Standard 1,500 - 15,000
<b>Length [mm]</b>	Minimum 1,500 Maximum 25,100
<b>Packaging</b>	Max. number per package 50 off (not applicable when perforated) Max. weight per package 2,500kg

**Certificates**



Standard dimensioning NEN-EN 1090-4

# 160R/750

## Span table

Deflection requirement	L/250
Steel grade	S320GD
Bearing	≥ 160mm

Permanent load	Tare weight of roof panel	0.11 - 0.236	kN/m <sup>2</sup>
	Solar panels	0.20	kN/m <sup>2</sup>
	Ceiling/piping	0.10	kN/m <sup>2</sup>
	PIR (Rc 6.3) 140mm	0.06	kN/m <sup>2</sup>
	PVC 1.5mm	0.02	kN/m <sup>2</sup>

Maximum span [m] at specified uniformly distributed loads in combination with imposed load of 1.00 kN/m<sup>2</sup>.

The units used in the table above are based on Dutch norms.

## 160R/750

Profile plate type	Thick-ness [mm]	Steel sheet [kg/m <sup>2</sup> ]	Permanent load [kN/m <sup>2</sup> ]	CC1			CC2		
				1 field	2 fields	3 fields	1 field	2 fields	3 fields
				[m]	[m]	[m]	[m]	[m]	[m]
160R/750	0.75	11.8	0.38	6.02	6.93	7.45	6.02	6.52	7.32
	0.88	13.8	0.38	6.35	8.07	7.85	6.35	7.63	7.85
	1.00	15.7	0.38	6.61	8.87	8.17	6.61	8.50	8.17
	1.13	17.7	0.38	6.88	9.21	8.50	6.88	9.21	8.50
	1.25	19.6	0.38	7.09	9.51	8.78	7.09	9.51	8.78
	1.50	23.6	0.38	7.50	10.05	9.28	7.50	10.05	9.28

## 160R/750 PERFO

Profile plate type	Thick-ness [mm]	Steel sheet [kg/m <sup>2</sup> ]	Permanent load [kN/m <sup>2</sup> ]	CC1			CC2		
				1 field	2 fields	3 fields	1 field	2 fields	3 fields
				[m]	[m]	[m]	[m]	[m]	[m]
160R/750 PERFO	0.75	11.1	0.38	5.70	6.29	6.80	5.70	5.67	6.37
	0.88	13.0	0.38	6.05	7.17	7.48	6.05	6.72	7.48
	1.00	14.8	0.38	6.30	8.11	7.80	6.30	7.62	7.80
	1.13	16.7	0.38	6.57	8.81	8.13	6.57	8.50	8.13
	1.25	18.5	0.38	6.78	9.09	8.39	6.78	9.09	8.39
	1.50	22.2	0.38	7.16	9.60	8.86	7.16	9.60	8.86

## Principles

- Basis of structural design in accordance with NEN-EN 1990/NB
- Actions on structures in accordance with NEN-EN 1991-1-1 + NB